**Revision for 11th grade ESS Systems, Values, & Ecology Unit Test**

**Vocabulary**

First Law of Thermodynamics

Second Law of Thermodynamics

Photosynthesis

Cellular Respiration

Negative Feedback Loop

Positive Feedback Loop

Hydrologic Cycle

Nitrogen Cycle

Carbon Cycle

Storage

Flow

System

Closed System

Isolated System

Open System

Static Equilibrium

Steady-State Equilibrium

Stable Equilibrium

Unstable Equilibrium

Nutrients vs. energy

10% Rule

Transfer

Transformation

Model

Biome

Tropical Rainforest

Desert

Tundra

Temperate Deciduous Forest

Primary Succession

Secondary Succession

Pioneer Species

Climax Community

Seral Stage

Lithosere

Hydrosere

Xerosere

Zonation

Latitudinal Gradient

Ecosystem

Pyramid of Numbers

Pyramid of Productivity

Pyramid of Biomass

Competition

Intraspecific Competition

Interspecific Competition

Species

Population

Community

Niche

Fundamental Niche

Realized Niche

Symbiosis

Mutualism

Parasitism

Commensalism

Herbivore

Producer

Autotroph

Predation

Decomposer

Resource Partitioning

Competitive Inhibition

Food Chain

Food Web

Trophic levels

Primary Consumer

2nd consumer

Tertiary Consumer

Endemic

Keystone species

Habitat

Gross Primary Productivity (GPP)

Gross Secondary Productivity (GSP)

Net Primary Productivity (NPP)

Net Secondary Productivity (NSP)

Gross Productivity (GP)

Secondary Productivity

Technocentric

Anthropocentric

Ecocentric